



SMD Telecoil – CP-H0114-C



Core material Ferrite

Terminations RoHS compliant silver-palladium-platinum-glass frit. Other terminations available at additional cost.

Weight 100 mg

Ambient temperature –40°C to +85°C with I_{rms} current, +85°C to +100°C with derated current

Storage temperature Component: –40°C to +100°C.
Packaging: –40°C to +80°C

Resistance to soldering heat Max three 40 second reflows at +260°C, parts cooled to room temperature between cycles

Moisture Sensitivity Level (MSL) 1 (unlimited floor life at <30°C / 85% relative humidity)

Failures in Time (FIT) / Mean Time Between Failures (MTBF)
One per billion hours / one billion hours, calculated per Telcordia SR-332

Packaging 1000 per 7" reel; 3500 per 13" reel Paper tape: 12 mm wide, 0.23 mm thick, 8 mm pocket spacing, 2.34 mm pocket depth

PCB washing Only pure water or alcohol recommended

Part number ¹	Inductance ² ±5% (mH)	SRF typ ³ (kHz)	SRF in parallel with 220 pF capacitor ±3 (kHz)	DCR max ⁴ (Ohms)	I _{rms} ⁵ (mA)
CP-H0114-C_	6.6	710	124.6	82.7	30

1. When ordering, please specify **packaging** code:

CP-H0114-C C

Packaging: C = 7" machine-ready reel. EIA-481 embossed plastic tape (2000 parts per full reel).

B = Less than full reel. In tape, but not machine ready. To have a leader and trailer added (\$25 charge), use code letter C instead.

D = 13" machine-ready reel. EIA-481 embossed plastic tape. Factory order only, not stocked (3500 parts per full reel).

2. Inductance measured at 125 kHz, 0.1 V_{rms} using Coilcraft SMD-B fixture in Agilent/HP 4192-A impedance analyzer with Coilcraft-provided correlation pieces.

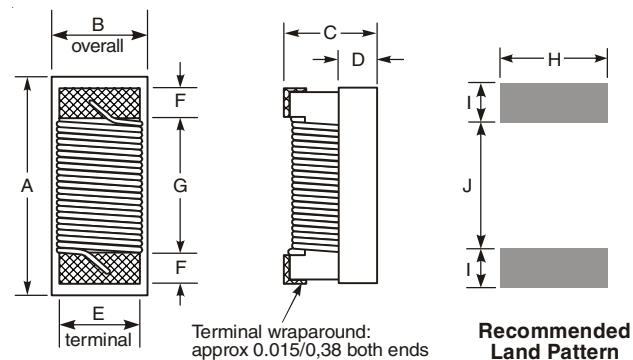
3. SRF measured using Agilent/HP 8753D network analyzer with Coilcraft SMD-D test fixture.

4. DCR measured on Cambridge Technology Micro-ohmmeter.

5. Current that causes a 15°C temperature rise from 25°C ambient. Because of their open construction, these parts will not saturate.

6. Electrical specifications at 25°C.

Refer to Doc 362 "Soldering Surface Mount Components" before soldering.



A	B	C	D	E	F	G	H	I	J
max	max	max	ref						
0.224	0.098	0.098	0.039	0.083	0.031	0.138	0.093	0.041	0.129
5,70	2,50	2,50	1,00	2,10	0,80	3,50	2,36	1,04	3,27

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Specifications subject to change without notice.
Please check our website for latest information.

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